Amendments to the Specification:

Please replace the paragraph from page 51, line 18, through page 52, line 2, with the following amended paragraph:

A 3.4 kb size vector was obtained by digesting pGX10, constructed in the above Example <1-13-1>, with PstI and XbaI, which was then ligated to a 2.22 kb size insert obtained by digesting pTV2 gDsΔ ST which was constructed in the above Example <1-11> with PstI and XbaI to construct pGX10 gDsΔ ST containing the base sequence (gDsΔ ST) represented by SEQ. ID. No 50 (FIG. 2). The constructed plasmid was deposited at the Korean Culture Center of Microorganisms, located at 361-221, Yurim B/D, Honje 1, Sudaemun-gu, Seoul, 120-091, Republic of Korea, on Aug. 29, 2002 (Accession No: KCCM 10415).

Please replace the paragraph on page 52, lines 5-16, with the following amended paragraph:

A 3.56 kb size vector was obtained by digesting pGX10 gDsΔ ST constructed in the above Example <1-13> with AscI and XbaI. PCR was performed using pTZ HCV, constructed in the above Example <1-3-2>, with the primers represented by SEQ. ID. No 17 and No 18. The above vector was ligated to a 2.82 kb insert prepared by digesting the PCR product with PstI and XbaI, resulting in the construction of pGX10 NS34 containing the base sequence (NS34) represented by SEQ. ID. No 51 (FIG. 2). The obtained plasmid was deposited at the Korean Culture Center of Microorganisms, located at 361-221, Yurim B/D, Honje 1, Sudaemun-gu, Seoul, 120-091, Republic of Korea, on Aug. 29, 2002 (Accession No: KCCM 10417).

Please replace the paragraph from page 52, line 19, through page 53, line 6, with the following amended paragraph:

A 3.4 kb size vector was constructed by digesting pGX10, constructed in the above Example <1-13-1>, with Asp718 and XbaI. PCR was performed using pTZ HCV, constructed in the above Example <1-3-2>, as a template with the primers represented by SEQ. ID. No 19 and No 20. A 3.12 kb size insert, obtained by digesting the PCR product with Asp718 and XbaI, was ligated to the above vector, resulting in the construction of pGX10 NS5 containing the base sequence (NS5) represented by SEQ. ID. No 52 (FIG. 2). The obtained plasmid was deposited at

the Korean Culture Center of Microorganisms, located at 361-221, Yurim B/D, Honje 1, Sudaemun-gu, Seoul, 120-091, Republic of Korea, on Aug. 29, 2002 (Accession No: KCCM 10416).

Please replace the paragraph from page 62, line 7, through page 63, line 9, with the following amended paragraph:

In order to construct a DNA expressing the genes coding p40 and p35 subunits simultaneously for DNA immunization, pTV2 vector (Lee, *J. Virol.*, 72:8430-8436, 1998; Cho, *Vaccine*, 17:1136-1144, 1999), which is an eukaryotic expression vector and has been used as a DNA vaccine vector in small animal models, was digested with the restriction enzymes Asp718 and NotI. mp35/IRES/mp40 fragment was prepared by digesting pSK-mp35/IRES/mp40, constructed in the above Example <2-4-1-1>, with the same restriction enzymes, which was inserted into the above restriction enzyme sites to construct the vector pTV2-mp35/IRES/mp40. And in order to construct a vector containing Asn-220 mutant gene of mouse IL-12p40 and expressing p35 at the same time, pSK-mp35/IRES/mp40 was digested with NcoI and NotI, into which mp40-N220L fragment obtained by cutting pCIN-mp40-N220L by the same enzymes was inserted, resulting in the construction of pSK-mp35/IRES/mp40-N220L. pTV2-mp35/IRES/mp40 was digested with EcoRV and NotI to eliminate mp40, into which mp40-N220L fragment obtained by digesting pSK-mp35/IRES/mp40-N220L with the same enzymes was inserted, resulting in the construction of the vector pTV2-mp35/IRES/mp40-N220L. The vector was deposited at the Gene Bank of Korea Research Institute of Bioscience and Biotechnology, located at 111 Gwahangno, Yuseong-gu, Daejeon, South Korea, on Feb. 29, 2000 (Accession No: KCTC 0745BP).

Please replace the paragraph from page 63, line 21, through page 65, line 2, with the following amended paragraph:

The recombinant adenovirus rAd-gDsΔ ST of the present invention was prepared by using pAdEasy (Trade mark) vector system (Q. Biogene Co.). pShuttleCMV gDsΔ ST, constructed in the above Example <2-1>, was digested with PmeI, which was used, along with the vector pAdEasy, for transformation of *E. coli* strain BJ5183 by electroporation. rAd gDsΔ ST containing the base sequence represented by SEQ. ID. No 50 (gDsΔ ST) was constructed by

the homologous recombination process within the bacterial strain (FIG. 4). DNA was extracted from the transformed cells and then digested with the restriction enzyme PacI. 293A cells (ATCC) which had been cultured on 60 mm dish were transfected with the DNA by calcium phosphate method. 10 days later, the transfected cells were frozen and then melted, which was repeated three times. Supernatant was separated and used for re-transfection of freshly cultured 293A cells on 100 mm dish for amplification. The virus was cultured for three days with the same procedure, and at last, amplified on 150 mm dish until the quantity of 293A cells were increased to 30 units of 150 mm dishes. 293A cells were harvested, from which only the pure recombinant adenoviruses were purified according to the manufacturer's instruction (Q. Biogene Co.). The purified viruses were quantified by the method of $TCID_{50}$ (Tissue Culture Infectious Dose 50). As a result, about 1×10^{11} pfu of recombinant adenovirus rAd gDsΔ ST were obtained. The above recombinant adenovirus was deposited at the Korean Culture Center of Microorganisms, located at 361-221, Yurim B/D, Honje 1, Sudaemun-gu, Seoul, 120-091, Republic of Korea, on Aug. 29, 2002 (Accession No: KCCM 10418).

Please replace the paragraph on page 65, lines 6-14, with the following amended paragraph:

rAd-gDsNS34 containing the base sequence represented by SEQ. ID. No 54 (gDsNS34) was constructed using pShuttleCMV gDsNS34 constructed in the above Example <2-2-2> by the same method as used for the production of rAd-gDsΔ ST in the above Example <2-5>. The recombinant adenovirus rAd-gDsN34 was deposited at the Korean Culture Center of Microorganisms, Yurim B/D, Honje 1, Sudaemun-gu, Seoul, 120-091, Republic of Korea, on Aug. 29, 2002 (Accession No: KCCM 10420).

Please replace the paragraph from page 65, line 18, through page 66, line 1, with the following amended paragraph:

rAd-NS5 containing the base sequence represented by SEQ. ID. No 52 (gDsNS34) was constructed using pShuttleCMV NS5 constructed in the above Example <2-2-2> by the same method as used for the production of rAd-gDsΔ ST in the above Example <2-5> (FIG. 4). The recombinant adenovirus rAd-NS5 was deposited at the Korean Culture Center of Microorganisms, Yurim B/D, Honje 1, Sudaemun-gu, Seoul, 120-091, Republic of Korea, on

Aug. 29, 2002 (Accession No: KCCM 10419).